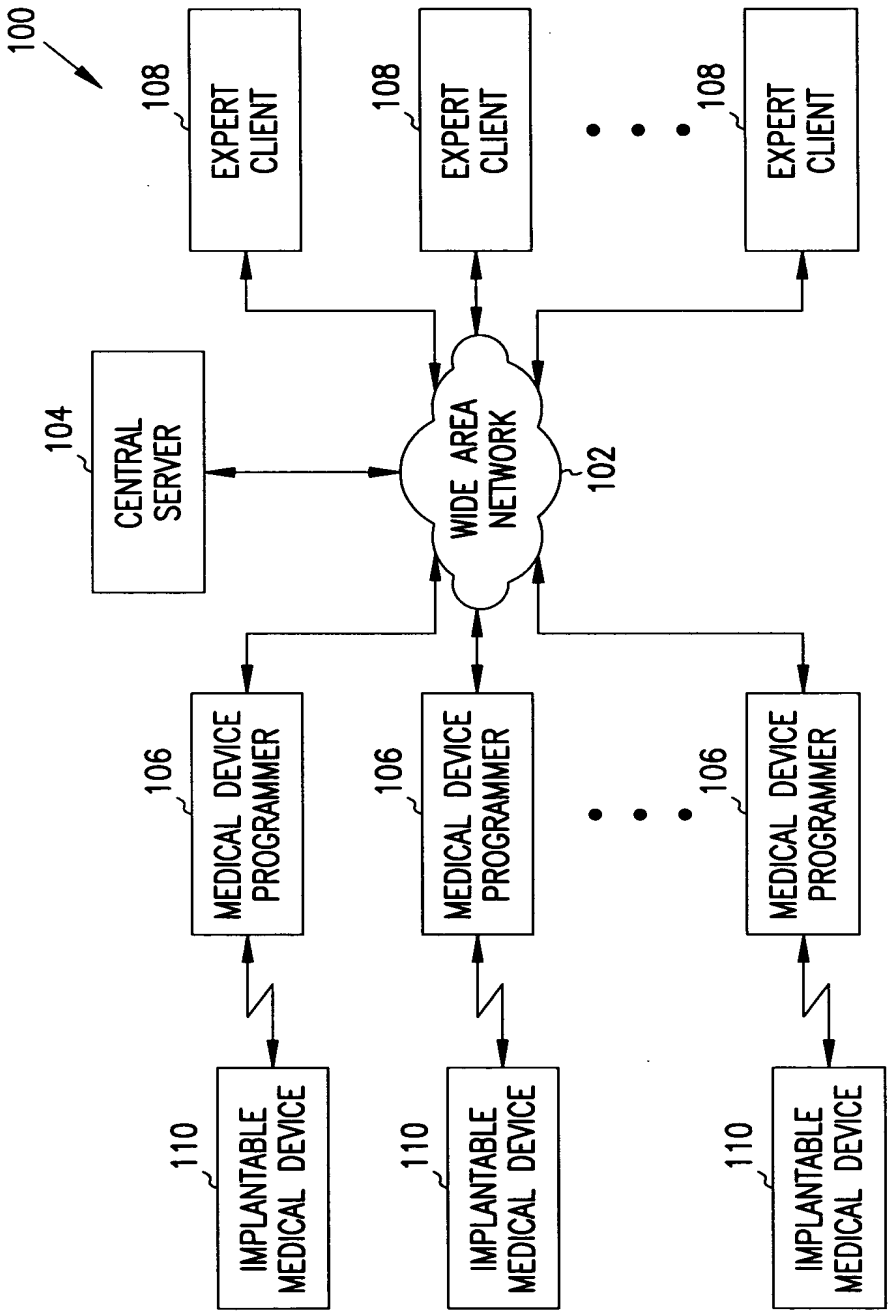
100
108
EXPERT CLIENT
108
EXPERT CLIENT
108
EXPERT CLIENT
104
CENTRAL SERVER
WIDE AREA NETWORK
102
106
MEDICAL DEVICE PROGRAMMER
106
MEDICAL DEVICE PROGRAMMER
106
MEDICAL DEVICE PROGRAMMER
110
IMPLANTABLE MEDICAL DEVICE
110
IMPLANTABLE MEDICAL DEVICE
110
IMPLANTABLE MEDICAL DEVICE

FIG. 1

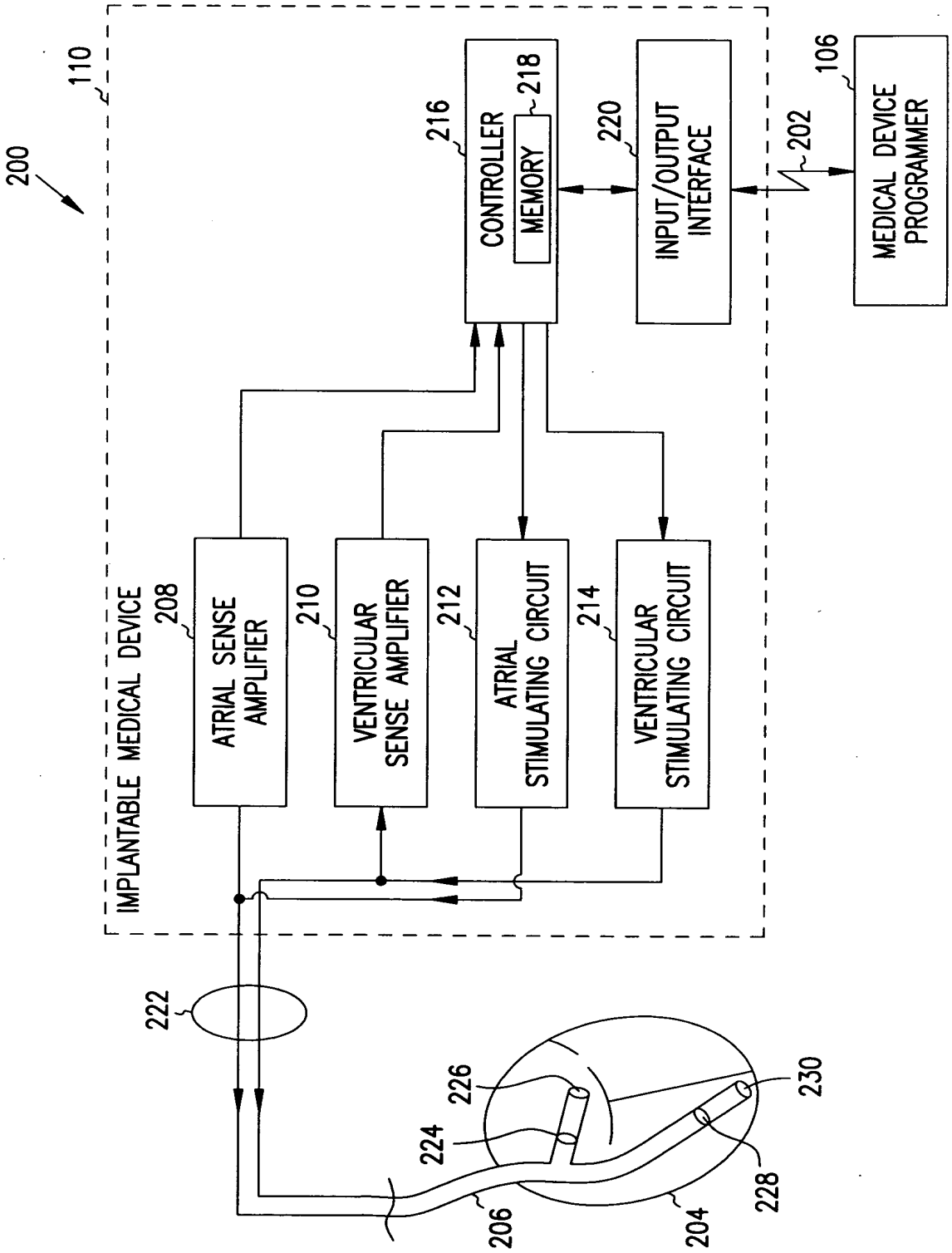

FIG. 2

DOCKET #S279373

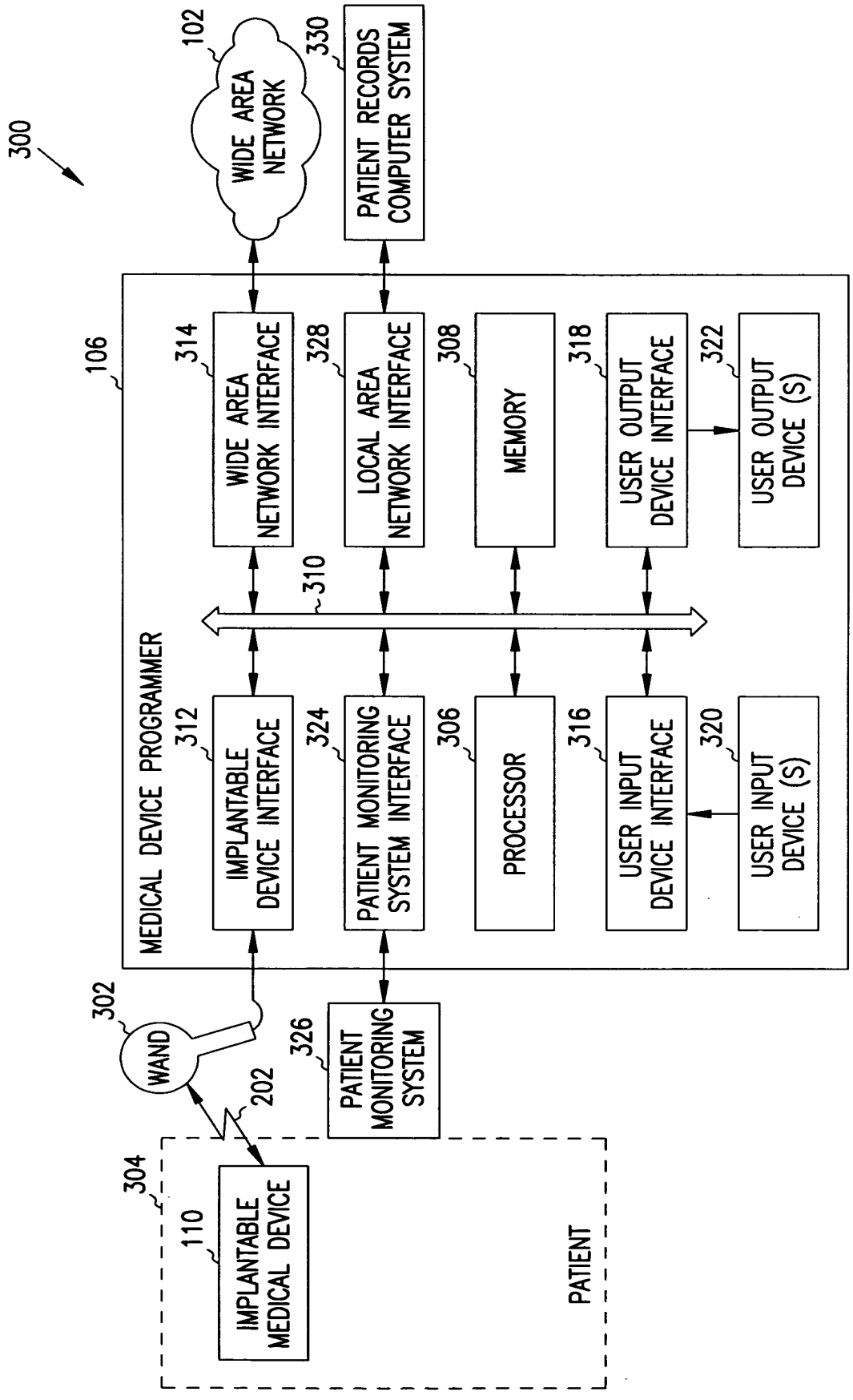

FIG. 3

TO/OTHER

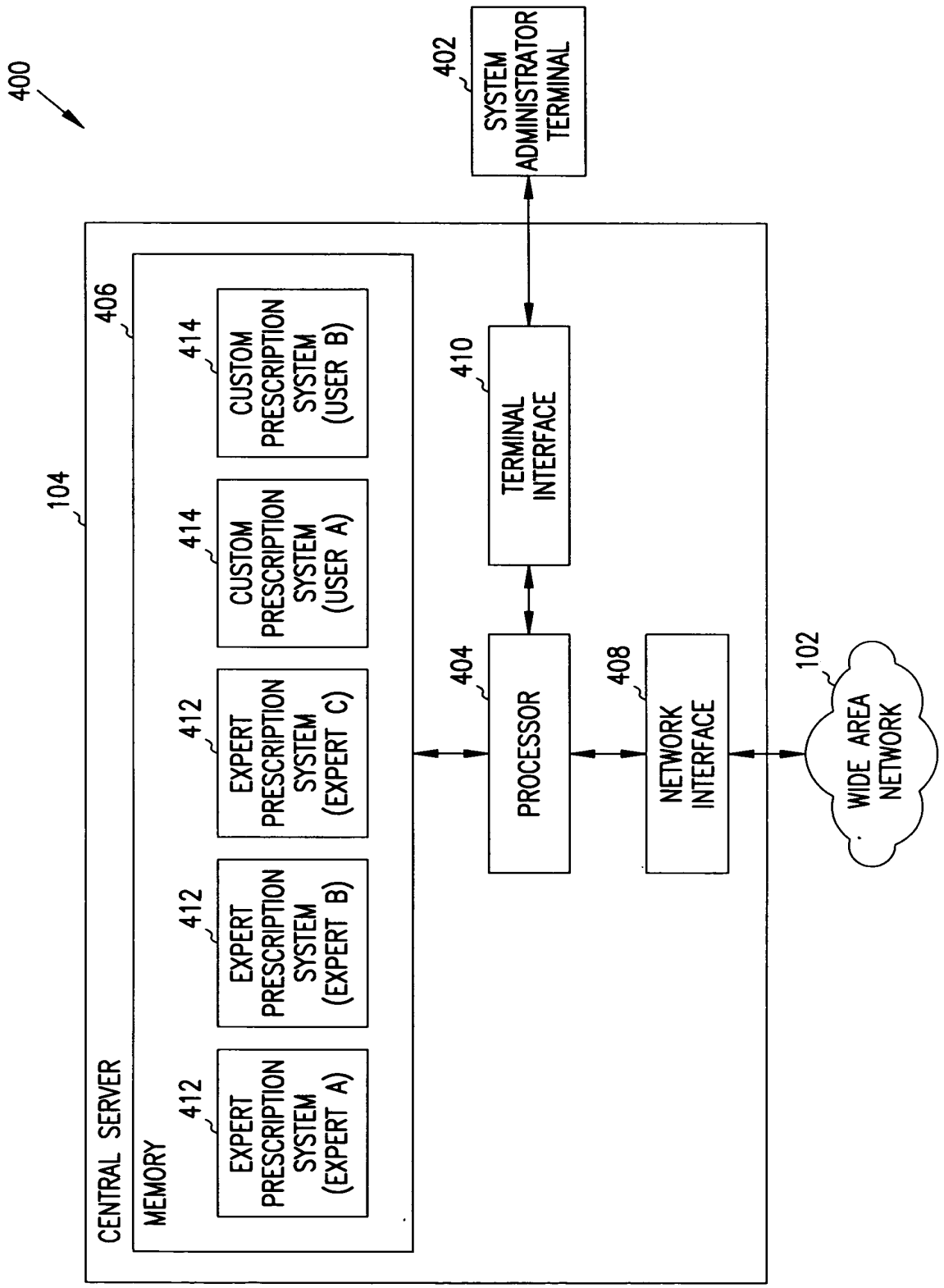
400
402
SYSTEM ADMINISTRATOR TERMINAL
104
CENTRAL SERVER
406
MEMORY
412
EXPERT PRESCRIPTION SYSTEM (EXPERT A)
412
EXPERT PRESCRIPTION SYSTEM (EXPERT B)
412
EXPERT PRESCRIPTION SYSTEM (EXPERT C)
414
CUSTOM PRESCRIPTION SYSTEM (USER A)
414
CUSTOM PRESCRIPTION SYSTEM (USER B)
410
TERMINAL INTERFACE
404
PROCESSOR
408
NETWORK INTERFACE
102
WIDE AREA NETWORK

FIG. 4

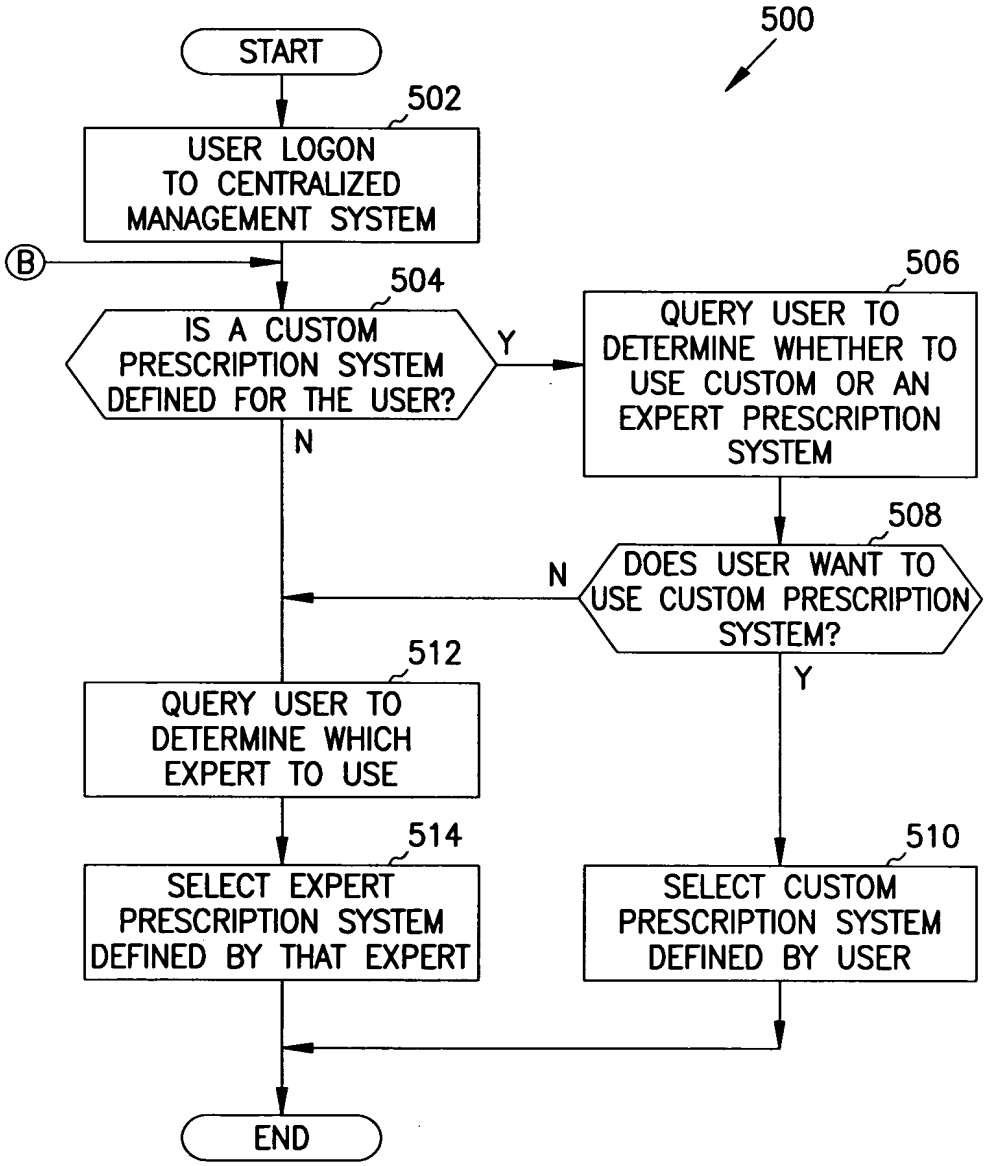

FIG. 5

Express Mail Label No. EV 335 880 004

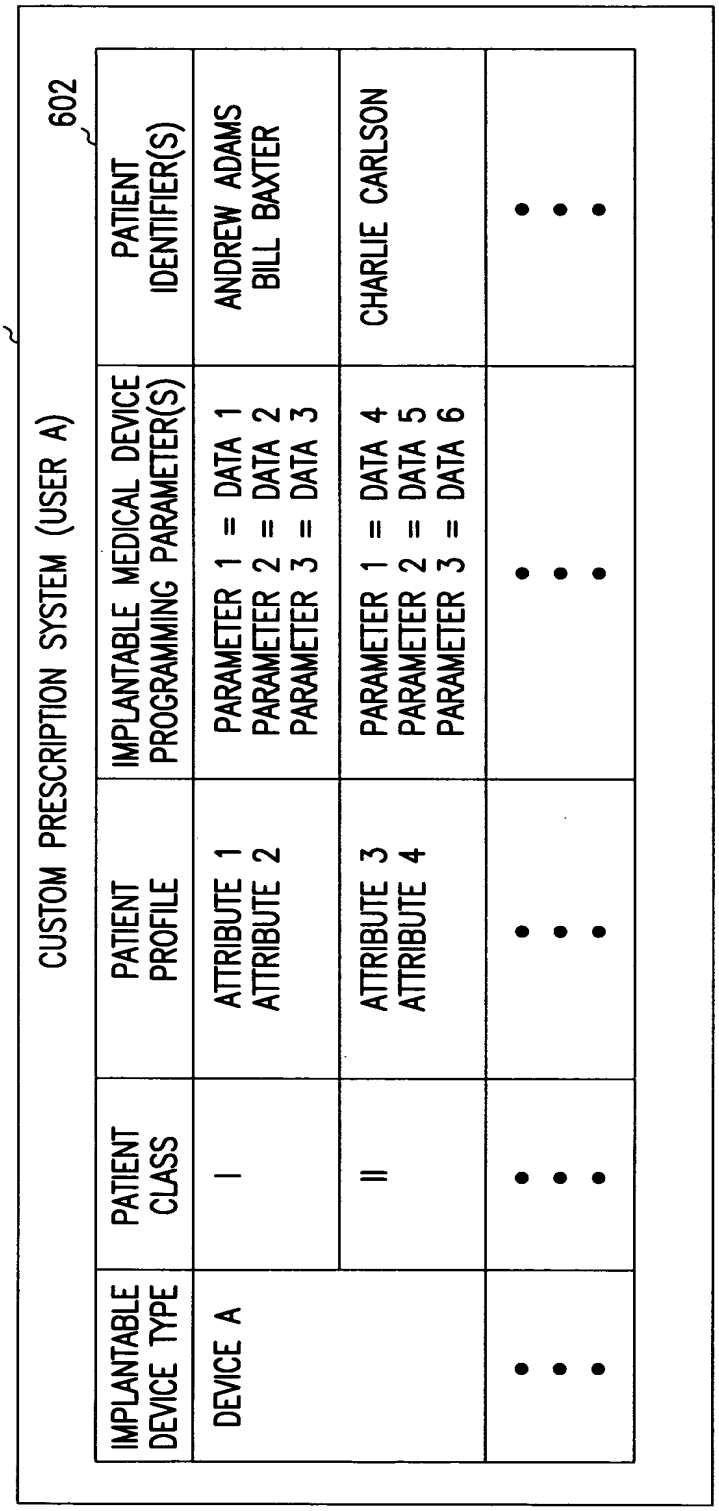

FIG. 6

EDITED-ASSIGNED

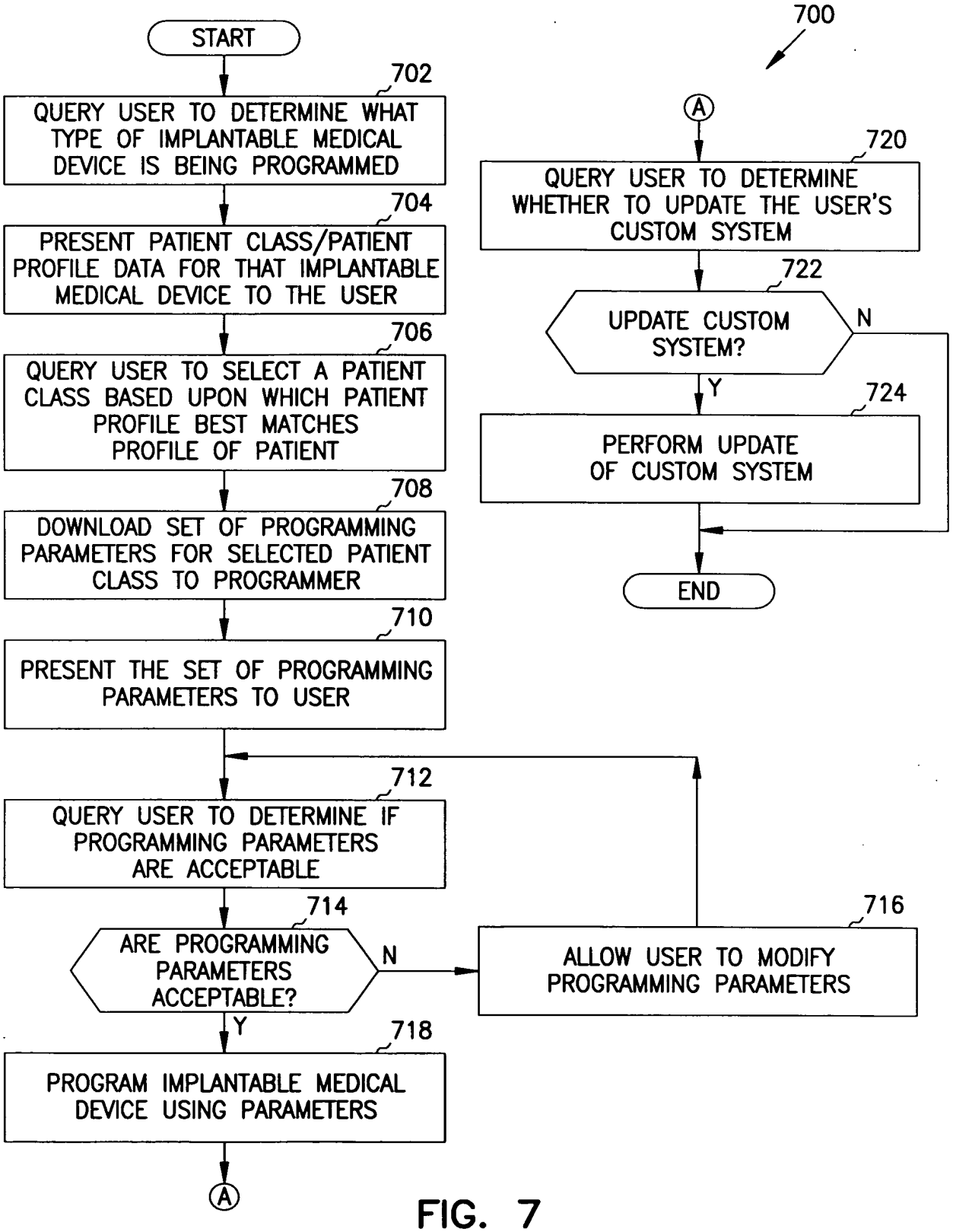
700
START
702
QUERY USER TO DETERMINE WHAT TYPE OF IMPLANTABLE MEDICAL DEVICE IS BEING PROGRAMMED
704
PRESENT PATIENT CLASS/PATIENT PROFILE DATA FOR THAT IMPLANTABLE MEDICAL DEVICE TO THE USER
706
QUERY USER TO SELECT A PATIENT CLASS BASED UPON WHICH PATIENT PROFILE BEST MATCHES PROFILE OF PATIENT
708
DOWNLOAD SET OF PROGRAMMING PARAMETERS FOR SELECTED PATIENT CLASS TO PROGRAMMER
710
PRESENT THE SET OF PROGRAMMING PARAMETERS TO USER
712
QUERY USER TO DETERMINE IF PROGRAMMING PARAMETERS ARE ACCEPTABLE
714
ARE PROGRAMMING PARAMETERS ACCEPTABLE?
N
716
ALLOW USER TO MODIFY PROGRAMMING PARAMETERS
Y
718
PROGRAM IMPLANTABLE MEDICAL DEVICE USING PARAMETERS
A
A
720
QUERY USER TO DETERMINE WHETHER TO UPDATE THE USER'S CUSTOM SYSTEM
722
UPDATE CUSTOM SYSTEM?
N
Y
724
PERFORM UPDATE OF CUSTOM SYSTEM
END

FIG. 7

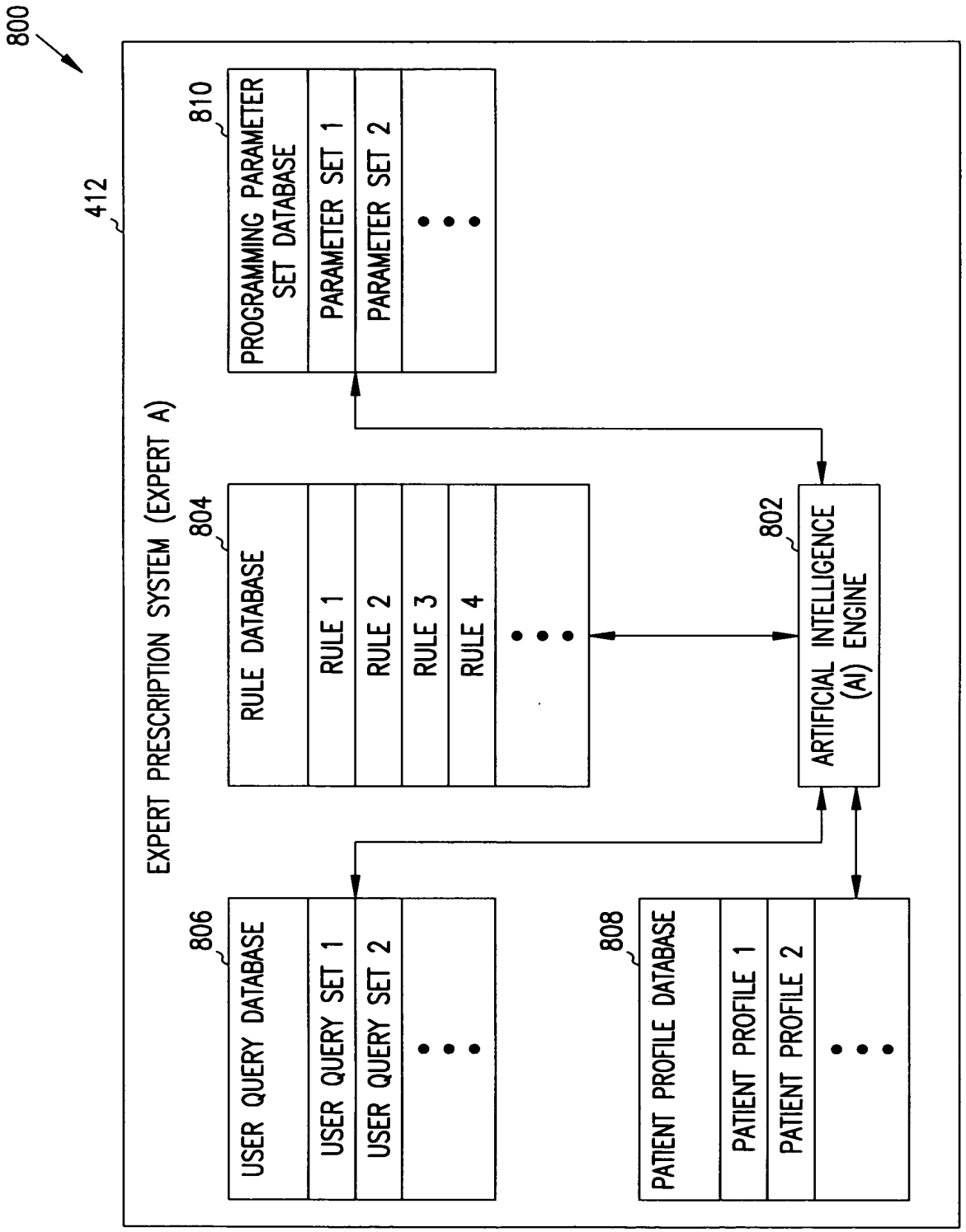

FIG. 8

TO GET THE PDF

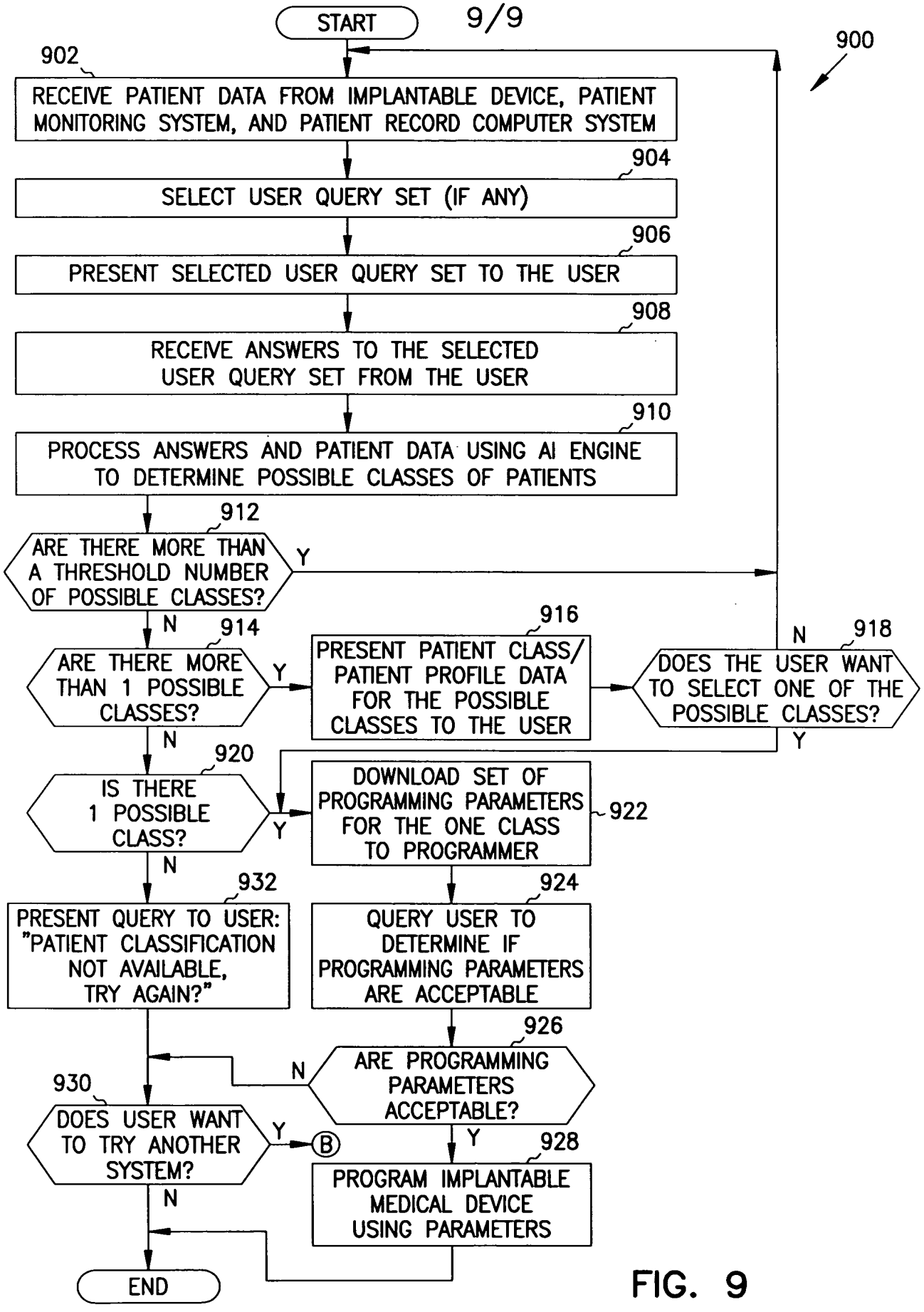
START
900
902
RECEIVE PATIENT DATA FROM IMPLANTABLE DEVICE, PATIENT MONITORING SYSTEM, AND PATIENT RECORD COMPUTER SYSTEM
904
SELECT USER QUERY SET (IF ANY)
906
PRESENT SELECTED USER QUERY SET TO THE USER
908
RECEIVE ANSWERS TO THE SELECTED USER QUERY SET FROM THE USER
910
PROCESS ANSWERS AND PATIENT DATA USING AI ENGINE TO DETERMINE POSSIBLE CLASSES OF PATIENTS
912
ARE THERE MORE THAN A THRESHOLD NUMBER OF POSSIBLE CLASSES?
Y
N
914
ARE THERE MORE THAN 1 POSSIBLE CLASSES?
Y
N
916
PRESENT PATIENT CLASS/ PATIENT PROFILE DATA FOR THE POSSIBLE CLASSES TO THE USER
918
N
DOES THE USER WANT TO SELECT ONE OF THE POSSIBLE CLASSES?
Y
920
IS THERE 1 POSSIBLE CLASS?
Y
N
DOWNLOAD SET OF PROGRAMMING PARAMETERS FOR THE ONE CLASS TO PROGRAMMER
922
932
PRESENT QUERY TO USER: "PATIENT CLASSIFICATION NOT AVAILABLE, TRY AGAIN?"
924
QUERY USER TO DETERMINE IF PROGRAMMING PARAMETERS ARE ACCEPTABLE
926
N
ARE PROGRAMMING PARAMETERS ACCEPTABLE?
Y
928
PROGRAM IMPLANTABLE MEDICAL DEVICE USING PARAMETERS
930
DOES USER WANT TO TRY ANOTHER SYSTEM?
Y
B
N
END

FIG. 9